

PATENT

DECLARATION FOR PATENT APPLICATION  
SOLE INVENTOR WITH ASSIGNEE

As the below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled "QUENCH BOX FOR A MULTI-BED, MIXED-PHASE COCURRENT DOWNFLOW FIXED-BED REACTOR" the specification of which:

- ☒ [X] is attached hereto.
- ☐ [ ] was filed on \_\_\_\_\_ as  
Application Serial No. \_\_\_\_\_
- ☐ [ ] and was amended on \_\_\_\_\_ (if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s) claimed			Priority	
			Yes	No
_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)		
_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)	Yes	No
_____ (Number)	_____ (Country)	_____ (Day/Month/Year filed)	Yes	No

The following foreign patents were issued on corresponding applications filed less than 12 months prior to this application.

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I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

<u>(Application Serial No.)</u>	<u>(Filing Date)</u>	<u>(Status-patented, pending, abandoned)</u>
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<u>(Application Serial No.)</u>	<u>(Filing Date)</u>	<u>(Status-patented, pending, abandoned)</u>
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I hereby appoint John H. Scarborough, Reg. No. 34,921, and Robert R. Mallinckrodt, Reg. No. 26,565, as my attorneys to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith:

Address all telephone calls to	John H. Scarborough, attorney
at telephone no.	(856)773-2000
facsimile no.	(856)773-2001

Address all correspondence to	LAW OFFICE OF JOHN SCARBOROUGH
	Tarragon Executive Center
	811 Church Rd., Ste. 120
	Cherry Hill, NJ 08002

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of inventor: Tai-Sheng Chou, PhD

Inventor's signature: 

Date: April 2, 2001


Residence: Cherry Hill, New Jersey

Citizenship: U.S.A.

Post Office Address: 4 Jordan Ct., Cherry Hill, NJ 08003

Name of Assignee: H2ADVANCE LLC

Officer of Assignee: Tai-Sheng Chou, PhD

Signature of Officer of Assignee: 

Date: April 2, 2001

Residence: Cherry Hill, New Jersey

Citizenship: U.S.A.

Post Office Address: 4 Jordan Ct., Cherry Hill, NJ 08003

Applicant or Patentee: Tai-Sheng Chou, PhD  
Serial or Patent No: \_\_\_\_\_  
Filed or Issued: \_\_\_\_\_  
For: "QUENCH BOX FOR A MULTI-BED, MIXED-PHASE COCURRENT DOWNFLOW  
FIXED-BED REACTOR"

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS  
(37 CFR §§1.9(f) and 1.27(c)) SMALL BUSINESS CONCERN \*

I hereby declare that I am

☒ the owner of the small business concern identified below:  
☐ an official of the small business concern empowered to act on  
behalf of the concern identified below:

Name of concern: H2ADVANCE LLC  
Address of concern: 4 Jordan Ct.  
Cherry Hill, NJ 08003

I hereby declare that the above identified small business concern qualifies as a small business concern as defined in 13 CFR §121.3-18, and reproduced in 37 CFR §1.9(d), for purposes of paying reduced fees under §41(a) and (b) of Title 35, United States Code, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed full-time, part-time, or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control both.

I hereby declare that rights under contract of law have been conveyed to and remain with the small business concern identified above with regard to the invention, entitled "QUENCH BOX FOR A MULTI-BED, MIXED-PHASE  
COCURRENT DOWNFLOW FIXED-BED REACTOR"

☒ the specification filed herewith  
☐ application serial no. \_\_\_\_\_, filed \_\_\_\_\_  
☐ patent no. \_\_\_\_\_, issued \_\_\_\_\_

If the rights held by the above identified small business concern are not exclusive, each individual, concern or organization having rights to the invention listed below\* and no rights to the invention are held by any person, other than the inventor, who could not qualify as a small business concern under 37 CFR §1.9(d) or a non-profit organization under 37 CFR §1.9(e). \*

NOTE: Separate verified statements are required from each named person, concern, or organization having rights to the invention averring to their status as small entities. (37 CFR §1.27)

FULL NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
\_\_\_\_\_

☐ Individual ☐ Small business concern ☐ Non-profit organization

FULL NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
\_\_\_\_\_

☐ Individual ☐ Small business concern ☐ Non-profit organization

I acknowledge the duty to file, in this application or patent, notification of any change in the status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR \$1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under \$1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING:

Tai-Sheng Chou

TITLE OF PERSON OTHER THAN OWNER:

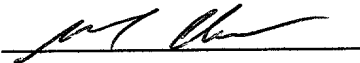
Owner

ADDRESS OF PERSON SIGNING:

4 Jordan Ct.

Cherry Hill, NJ 08003

SIGNATURE:



DATE: April 2, 2001